## STORMWATER MANAGEMENT PLAN APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE \_\_\_\_\_ PERMIT # \_\_\_\_\_

	SIGNED		
	Approved Construction Pla	ın	
	<u>Name</u> <u>Date</u>		
Planning			
Traffic			
Fire _			
CFPUA _			

## NOTES

1. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.

THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY.
 ALL MATERIALS UTILIZED IN THE CONSTRUCTION OF THE UTILITIES WITHIN THE PUBLIC RIGHT OF WAY SHALL BE NCDOT APPROVED MATERIALS.

4. CONTRACTOR IS TO PROVIDE ALL NECESSARY TRAFFIC AND SAFETY CONTROL DEVICES IN WORK AREAS.

5. FIELD VERIFY EXISTING UTILITIES FOR CONFLICTS PRIOR TO CONSTRUCTION, NOTIFY ENGINEER AT 910-619-9990 BEFORE PROCEEDING WITH CONSTRUCTION.

6. CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES:

ULOCO ......1-800-632-4949, 48 HOURS IN ADVANCE

BELL SOUTH.......1-800-392-8712 (STEVE DAYVAULT)

7. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS. TOOLS.

8. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWA ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.

MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION.

9: It shall be the responsibility of the subdivider to erect official street name signs at all intersections associated with the subdivision in accordance with the Technical Standards and Specifications Manual. The subdivider may acquire and erect official street name signs or may choose to contract with the city to install the street signs and the subdivider shall pay the cost of such installation. Contact Traffic Engineering at 341—7888 to discuss installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.

10. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS AND BE

11. TRAFFIC ENGINEERING TO BE NOTIFIED AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

12. Any broken or missing sidewalk panels, driveway panels or curbing will be replaced by the applicant.

13. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING

14. PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METRES CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.

15. IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION HE SHALL APPLY MIN ADVANCE FOR THS SERVICE AND MUST SUPPLY A RPZ BACKFLOW PREVENTION DEVICE ON THE DEVELOPERS SIDE OF THE WATER METER BOX.

16. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA SHALL COMPLY WITH THE

17. All traffic control signs and markings off the right—of—way are to be maintained by the property owner in accordance with MUTCD standards.18. All parking stall markings and lane arrows within the parking areas shall be

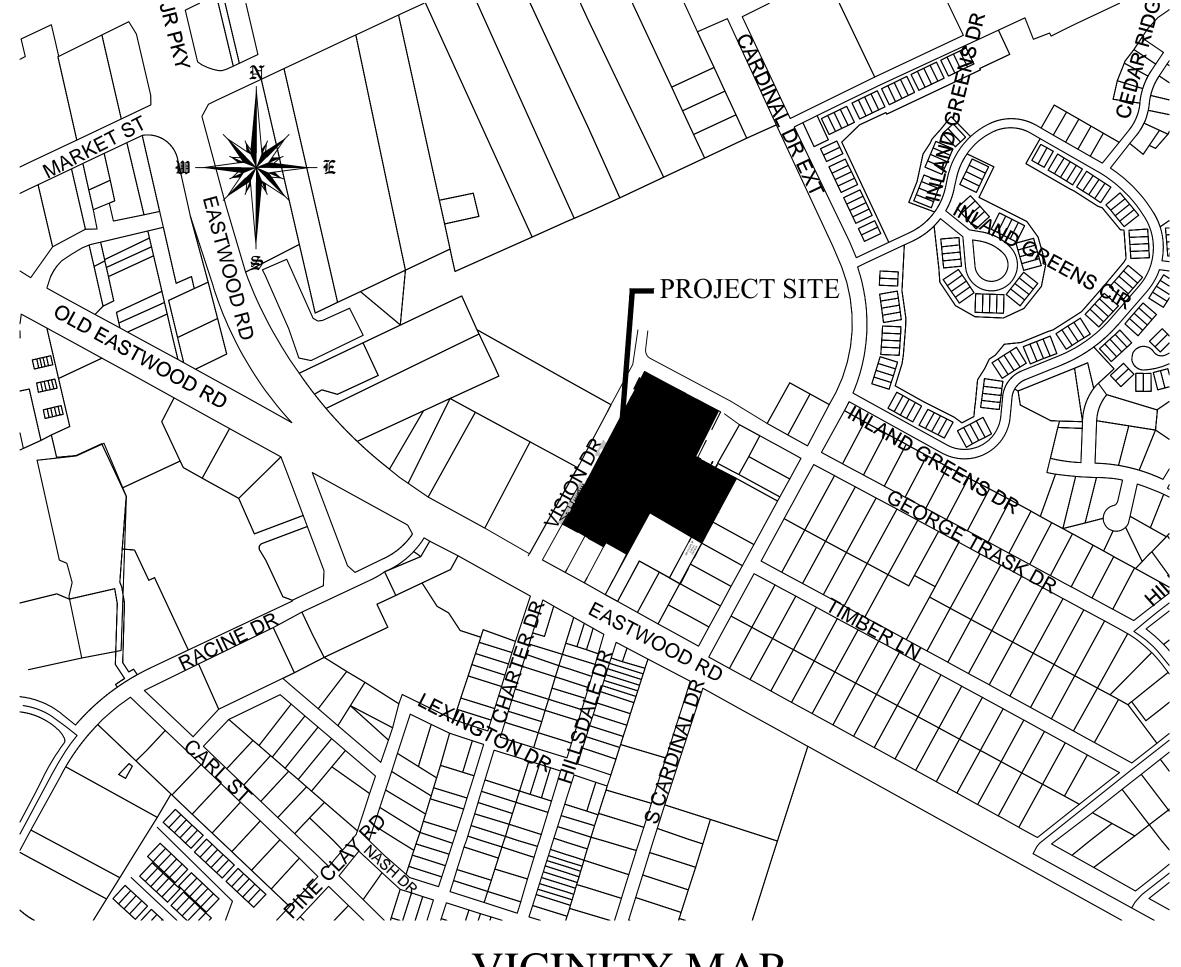
19. A utility cut permit is required for each open cut of a City street. Note this on the plan and contact 341—5888 for more details. In certain cases an entire resurfacing of the area being open cut may be required.

20. Install reflectors per City and NCDOT standards. Traffic Engineering must approve of pavement marking layout prior to actual striping.

21. A landscaping plan indicating the location of required street trees shall be submitted to the City of Wilmington Traffic Engineering Division and Parks and Recreation Department for review and approval prior to the recording of the final plat. [SD 15—14 CofW Tech Stds]



## CONSTRUCTION PLANS FOR AA STORAGE EXPANSION 120 VISION DRIVE



VICINITY MAP APRIL, 2013

## LIST OF DRAWINGS

XX COVER SHEET
C1 EXISTING SITE

C2 SITE PLAN/GRADING/S&E CONTROL

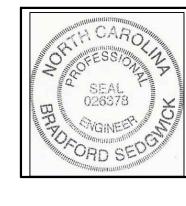
C3 DETAILS

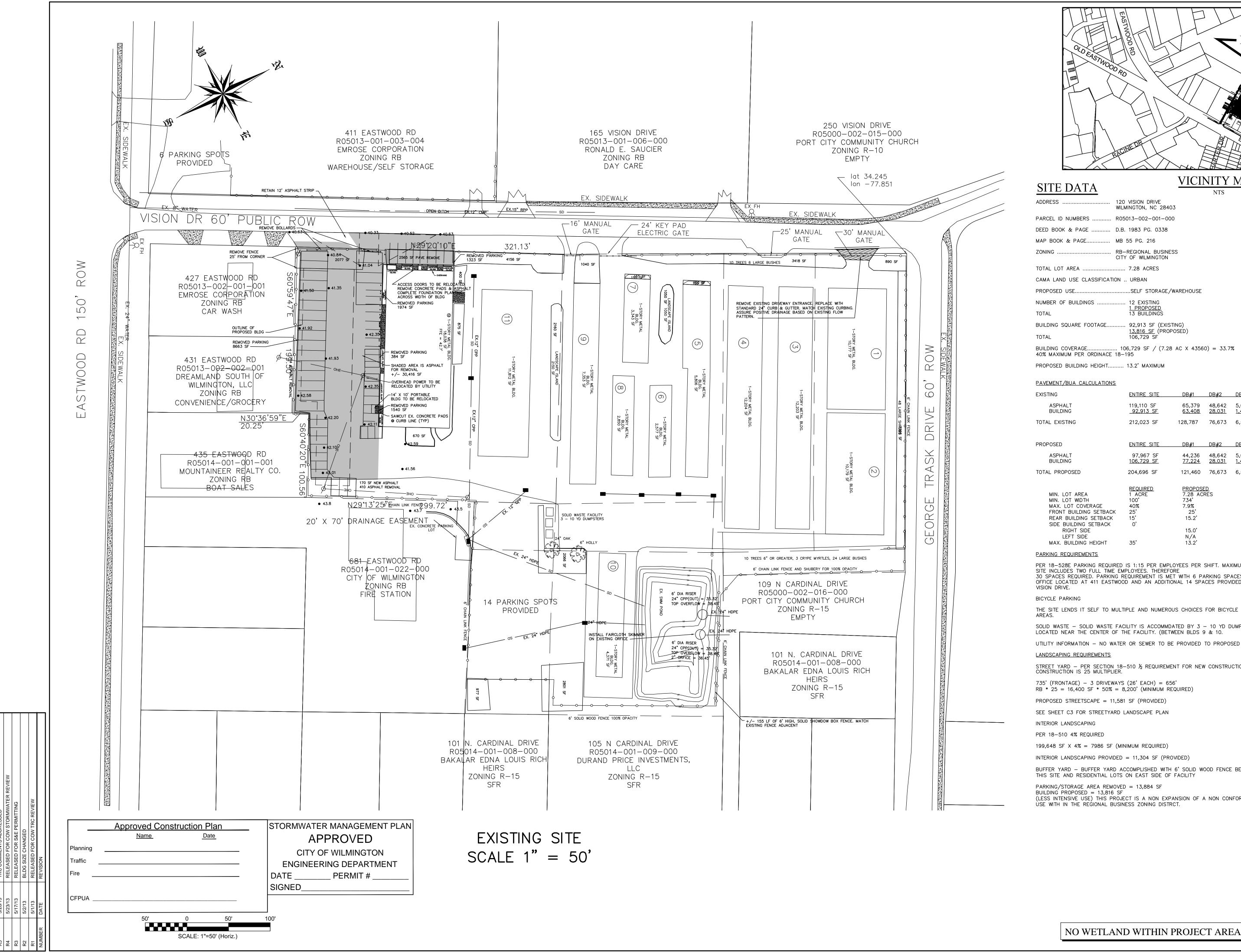
## OWNER/DEVELOPER THE ROSEMYR CORPORATION PO BOX 108 231 S. GARNETT STREET HENDERSON, NC 27536

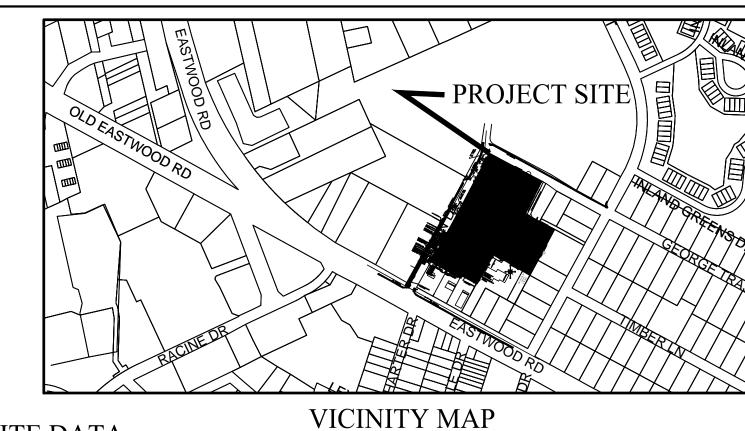
## CIVIL ENGINEER JBS CONSULTING, PA BRAD SEDGWICK, PE 7332 COTESWORTH DRIVE WILMINGTON, NC 28405 1-910-619-9990

# SURVEYOR GEOINNOVATION, PC MR. DEAN EXLINE, PLS 311 JUDGES ROAD SUITE 3D WILMINGTON, NC 28405 1-910-367-2110

## GENERAL CONTRACTOR E.G. SMITHSON AND ASSOCIATES, INC. 1661 S. WESLEYAN BLVD. ROCKY MOUNT, NC 27802 252-977-3055







120 VISION DRIVE WILMINGTON, NC 28403 PARCEL ID NUMBERS ...... R05013-002-001-000 DEED BOOK & PAGE ...... D.B. 1983 PG. 0338 MB 55 PG. 216 RB-REGIONAL BUSINESS CITY OF WILMINGTON

..... 7.28 ACRES CAMA LAND USE CLASSIFICATION .. URBAN

...SELF STORAGE/WAREHOUSE 12 EXISTING

92,913 SF (EXISTING)

13,816 SF (PROPOSED) 106,729 SF

PROPOSED BUILDING HEIGHT...... 13.2' MAXIMUM

EX	ISTING	ENTIRE SITE	DB#1	DB#2	DB#3
	ASPHALT BUILDING	119,110 SF <u>92,913 SF</u>	65,379 <u>63,408</u>	48,642 28,031	5,089 <u>1,474</u>
ТО	TAL EXISTING	212,023 SF	128,787	76,673	6,563
PR	OPOSED	ENTIRE SITE	DB#1	DB#2	DB#3
	ASPHALT BUILDING	97,967 SF 106,729 SF	44,236 <u>77,224</u>	48,642 28,031	5,089 <u>1,474</u>
ТО	TAL PROPOSED	204,696 SF	121,460	76,673	6,563
	MIN. LOT AREA MIN. LOT WIDTH MAX. LOT COVERAGE FRONT BUILDING SETBACK REAR BUILDING SETBACK SIDE BUILDING SETBACK RIGHT SIDE LEFT SIDE MAX. BUILDING HEIGHT	REQUIRED 1 ACRE 100' 40% 25' 15' 0'	PROPOSE 7.28 ACF 734' 7.9% 25' 15.2' 15.0' N/A 13.2'		

PER 18-528E PARKING REQUIRED IS 1:15 PER EMPLOYEES PER SHIFT. MAXIMUM ON THIS SITE INCLUDES TWO FULL TIME EMPLOYEES. THEREFORE 30 SPACES REQUIRED. PARKING REQUIREMENT IS MET WITH 6 PARKING SPACES AT OFFICE LOCATED AT 411 EASTWOOD AND AN ADDITIONAL 14 SPACES PROVIDED AT 120

THE SITE LENDS IT SELF TO MULTIPLE AND NUMEROUS CHOICES FOR BICYCLE PARKING

SOLID WASTE - SOLID WASTE FACILITY IS ACCOMMDATED BY 3 - 10 YD DUMPSTERS LOCATED NEAR THE CENTER OF THE FACILITY. (BETWEEN BLDS 9 & 10.

UTILITY INFORMATION - NO WATER OR SEWER TO BE PROVIDED TO PROPOSED FACILITY

STREET YARD - PER SECTION 18-510  $\frac{1}{2}$  REQUIREMENT FOR NEW CONSTRUCTION. NEW CONSTRUCTION IS 25 MULTIPLIER.

735' (FRONTAGE) - 3 DRIVEWAYS (26' EACH) = 656'

PROPOSED STREETSCAPE = 11,581 SF (PROVIDED)

BUFFER YARD — BUFFER YARD ACCOMPLISHED WITH 6' SOLID WOOD FENCE BETWEEN THIS SITE AND RESIDENTIAL LOTS ON EAST SIDE OF FACILITY

(LESS INTENSIVE USE) THIS PROJECT IS A NON EXPANSION OF A NON CONFORMING ÙSE WITH IN THE REGIONAL BUSINESS ZONING DISTRCT.

BEFORE YOU DIG STOP CALL 1 800 632-4949 N.C. ONE-CALL CENTER IT'S THE LAW

	LEGEND			
	EXIST. SPOT ELEVATION • 20.0			
1	PRO. SPOT ELEVATION X20.0			
	SILT FENCE			
	DRAINAGE RUNOFF FLOW #			
	LIMITS OF CONSTRUCTION			
	ASPHALT			
	CONC. PAVEMENT			
	GRAVEL			
	EDGE OF WOODS <i>EOWDS</i>			
	TOP OF BANK TOB			
	EDGE OF WATER FOW			

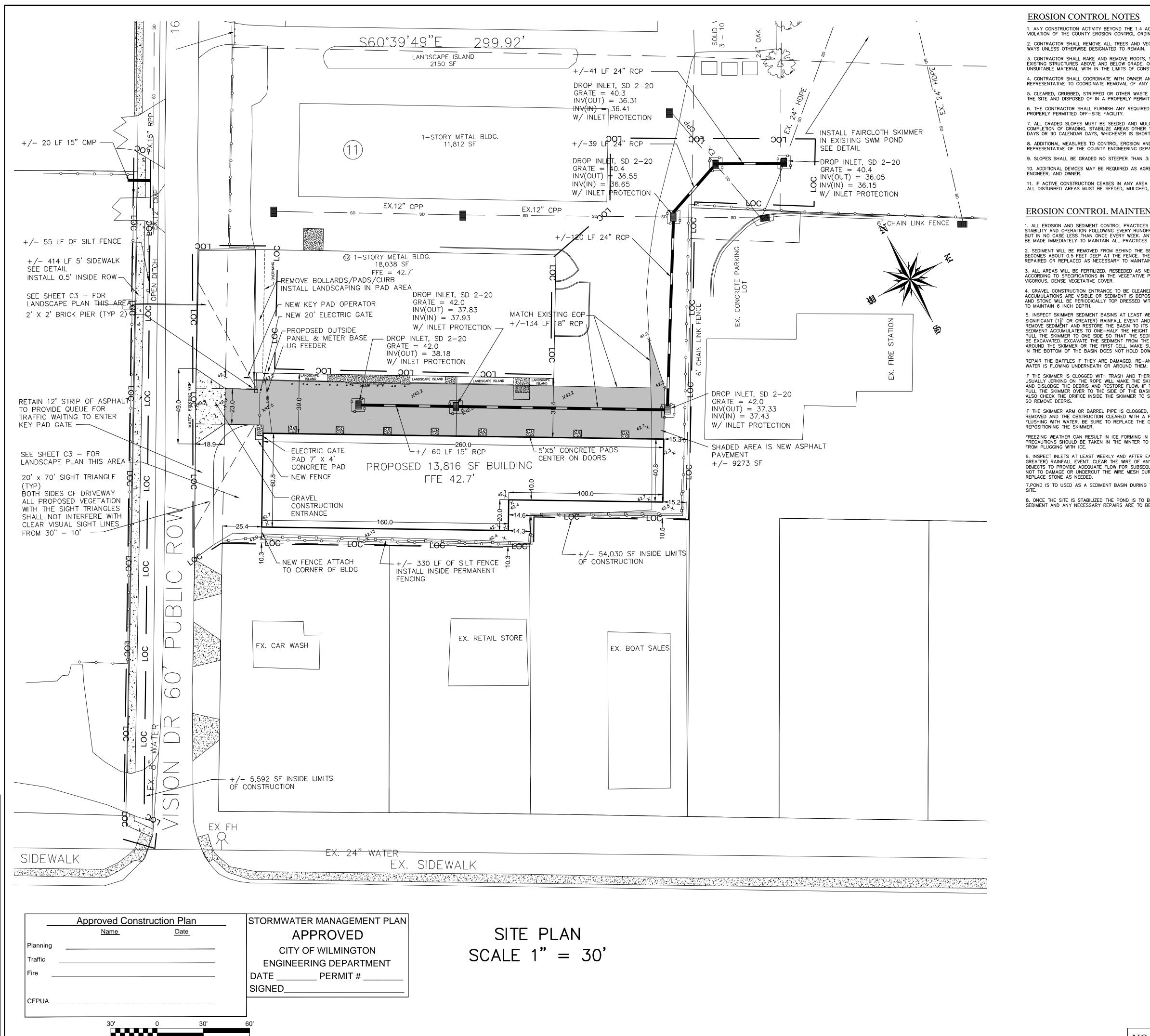
EDGE OF GRAVEL

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ANSION EXISTING TORAGE

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## **EROSION CONTROL NOTES**

1. ANY CONSTRUCTION ACTIVITY BEYOND THE 1.4 ACRE LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO FINES. 2. CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN ROAD RIGHT OF WAYS UNLESS OTHERWISE DESIGNATED TO REMAIN.

3. CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITH IN THE LIMITS OF CONSTRUCTION.

4. CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY UNSUITABLE SOILS. 5. CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.

6. THE CONTRACTOR SHALL FURNISH ANY REQUIRED BORROW MATERIALS FROM A PROPERLY PERMITTED OFF—SITE FACILITY. 7. ALL GRADED SLOPES MUST BE SEEDED AND MULCHED WITHIN 21 CALENDAR DAYS OF COMPLETION OF GRADING. STABILIZE AREAS OTHER THAN SLOPES WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS, WHICHEVER IS SHORTER.

8. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPARTMENT. 9. SLOPES SHALL BE GRADED NO STEEPER THAN 3:1.

10. ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED UPON BY THE FIELD INSPECTOR, ENGINEER, AND OWNER. 11. IF ACTIVE CONSTRUCTION CEASES IN ANY AREA FOR MORE THAN 15 CALENDAR DAYS, ALL DISTURBED AREAS MUST BE SEEDED, MULCHED, AND TACKED.

## EROSION CONTROL MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF — PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED. 2. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.

3. ALL AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

4. GRAVEL CONSTRUCTION ENTRANCE TO BE CLEANED WHEN SEDIMENT ACCUMULATIONS ARE VISIBLE OR SEDIMENT IS DEPOSITED ON THE ASPHALT AND STONE WILL BE PERIODICALLY TOP DRESSED WITH 2 INCHES OF #4 STONE TO MAINTAIN 6 INCH DEPTH.

5. INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1½" OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.
REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE—HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER. REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF

IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE DEBRIS.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY LUSHING WITH WATER. BE SURE TO REPLACE THE ORIFICE BEFORE

FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

6. INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT ( $1\frac{1}{2}$ " OR GREATER) RAINFALL EVENT. CLEAR THE WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE O DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED. 7.POND IS TO USED AS A SEDIMENT BASIN DURING THE CONSTRUCTION OF THE

8. ONCE THE SITE IS STABILIZED THE POND IS TO BE CLEARED OF ALL SEDIMENT AND ANY NECESSARY REPAIRS ARE TO BE MADE.

## CONSTRUCTION SEQUENCE

. OBTAIN ALL NECESSARY PERMIT APPROVALS PRIOR TO ANY LAND

2. HOLD A PRE-CONSTRUCTION MEETING WITH THE EROSION CONTROL

3. INSTALL THE FAIRCLOTH SKIMMER IN THE POND.

4. REMOVE ASPHALT AS INDICATED ON THE PLANS.

5. INSTALL SILT FENCING ALONG EXISTING FENCE.

6. INSTALL CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS. 7. INSTALL STORMWATER PIPING AS SHOWN ON THE PLANS.

8. INSTALL INLET PROTECTION WHEN STORMWATER PIPING IS COMPLETED. 9. FRAME AND POUR FOUNDATION FOR NEW STORAGE BUILDING. 10. ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS ARE STABILIZED, REMOVE TEMPORARY EROSION CONTROL MEASURES, REMOVE SEDIMENT FROM POND.

## **GRADING NOTES**

1. INITIATE EROSION CONTROL SEQUENCE BEFORE BEGINNING CLEARING AND

2. CLEAR AREAS TO BE GRADED OF ALL VEGETATION. PROTECT VEGETATION BEYOND GRADING LIMITS. 3. STRIP TOPSOIL TO FULL DEPTH IN AREAS TO BE GRADED AND STOCKPILE.

4. COMPACT ALL FILL AREAS TO 95% OF MAXIMUM DENSITY. 5. ALL BANKS AND SWALE SIDE SLOPES SHALL BE GRADED WITH NO GREATER

6. ALL AREAS ARE TO BE GRADED SO THAT NO AREAS OF STANDING WATER

7. PROPOSED SPOT ELEVATIONS ARE SHOWN AT FINISHED GRADE. 8. OPERATOR SHALL FIELD VERIFY EXISTING TOPOGRAPHY IN RELATION TO THE PROPOSED GRADES TO ENSURE DRAINAGE IN THE DIRECTIONS INDICATED ON THE PLAN.

LABEL 1) GROUND STABILIZATION			
	SITE AREA DESCRIPTION	STABLIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
	-PERIMETER DIKES, DITCHES AND SLOPES	7 DAYS	NONE
	-HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
	SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT SEEPER THAN 2:1 14 DAYS ARE ALLOWED
	SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
	-ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMTERS AND HQW ZONES)

## 2) BUILDING WASTES HANDLING

-NO PAINT OR LIQUID WASTES IN STREAM OF STORM DRAINS -DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE

-EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50 FROM STORM DRAIANS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE -CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS. 3) INSPECTIONS

-SAME WEEKLY INSPECTION REQUIREMENTS

-SAME RAIN GAUGE & INSPECTIONS AFTER 0.5" RAIN EVENT -INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS" -INSPECTION REPORTS MUST BE AVAIABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED

-RECORDS MUST BE KEPT FOR 3 YEARS AND AVAIABLE UPON REQUEST -ELECTRONICALLY-AVAIABLE RECORDS MAY BE SUBSTITUTES UNDER CERTAIN 4) SEDIMENT BASINS

-OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACES UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE

-USE ONLY DWQ-APPROVED FLOCCULANTS

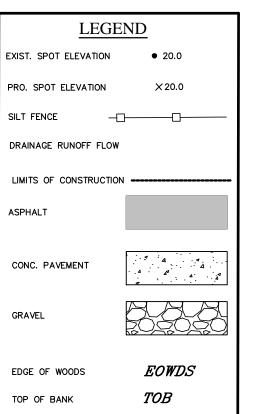
<u>NPDES - SPECIFIC PLAN SHEET NOTES</u>

. THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCG010000:

THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY.

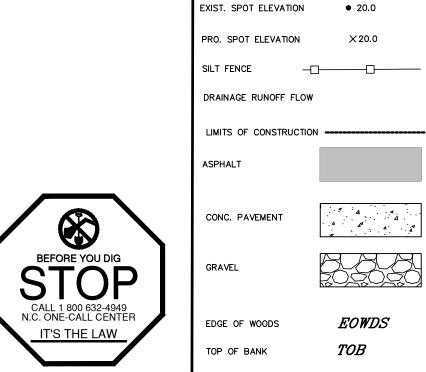
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THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.



EOW

EOG



EDGE OF WATER

EDGE OF GRAVEL

NO WETLAND WITHIN PROJECT AREA

R3 R2 L8

SCALE: 1"=30' (Horiz.)

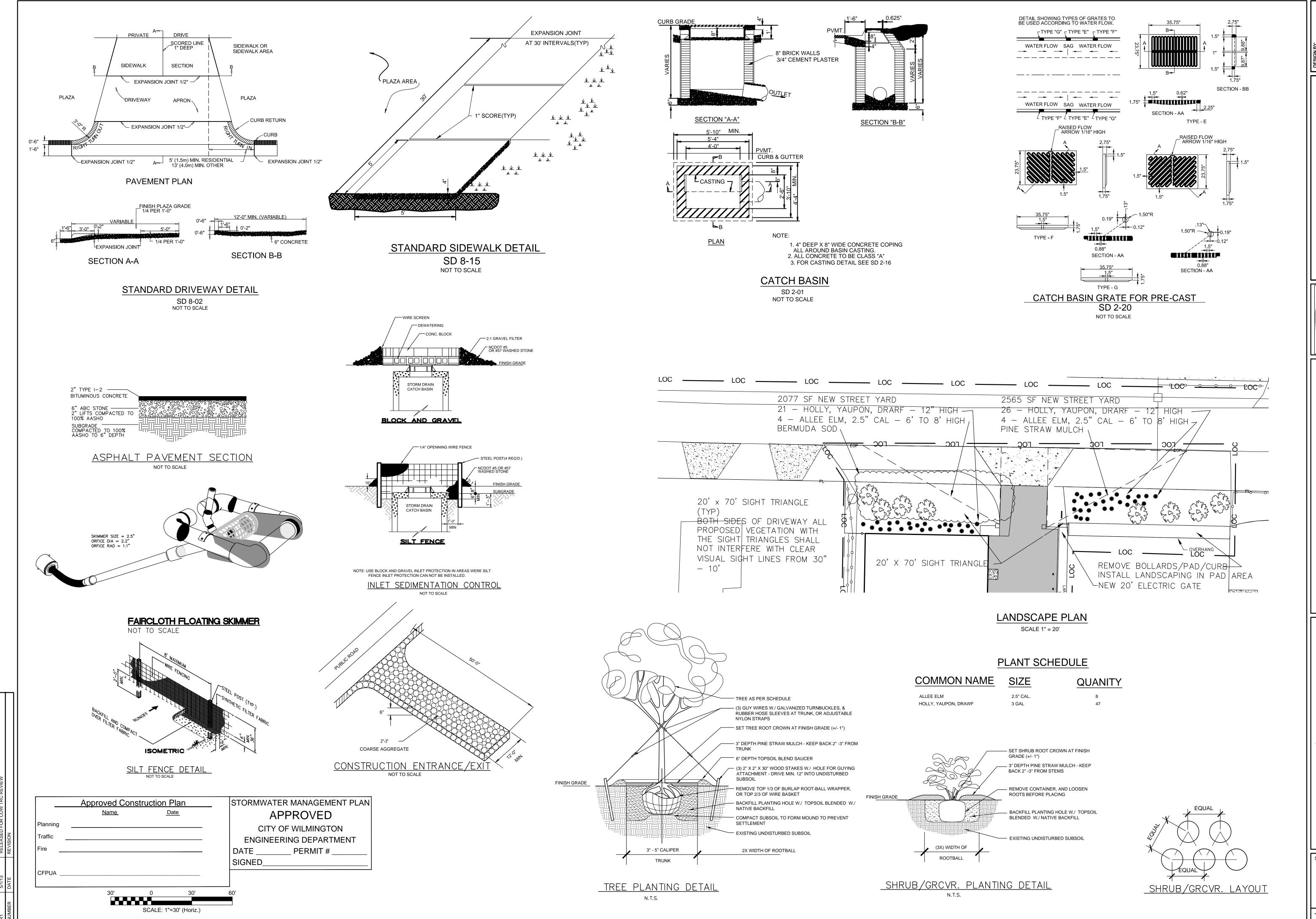
S Z 1 TORAGE 120 VISION SITE DRAINAGE  $\triangleleft$ 

ORATION STREET 27536 /DEVELOPER /R CORPORA /RNETT STRE! )N, NC 2753

OWNER/ THE ROSEMY 231 S. GA HENDERSC

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